

Patent Abstracts of Japan

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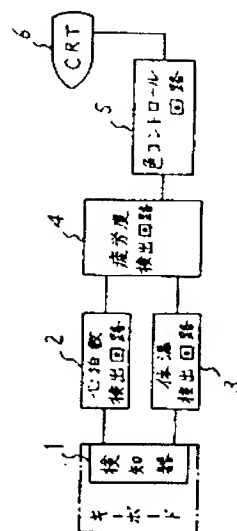
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TITLE : VDT DEVICE



ABSTRACT : PURPOSE: To improve the visual recognizability of an operator and to reduce the fatigue by changing the display color of characters on a CRT according to the detection result of the degree of the fatigue varying with operation time.

CONSTITUTION: A detector 1 which has sensors is provided on the arm rest of a keyboard and a heart rate detecting circuit 2 and a bodily temperature detecting circuit 3 detects the hear rate and bodily temperature of the operator through the sensors at a constant period. A fatigue degree detecting circuit 4 observes the quantities of variations in differences between the heart rate and bodily temperature which are inputted as time is elapsed and their initial values and outputs the point of time when variation in difference becomes almost 0 to a color control circuit 5 as the point of time of initial fatigue. The color control circuit 5 varies the display color on the CRT 6 gradually from yellow to yellowish green according to the fatigue degree information. Consequently, the visual recognizability of the operator is improved to reduce the fatigue.

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